

A3

modifications as reasonably come within my contribution to the art.--

IN THE ABSTRACT:

Please amend the Abstract as follows:

5 In line 5, delete "having" and substitute --has--.

In line 5, delete "(BS)".

In line 6, delete "offers" and substitute --offering--, delete "(MS)", after "in" insert --an--.

10 In line 8, delete "(rp)", delete "(ss)", before "downstream" insert --a--.

In line 9, delete "(BS)", delete "(tp)".

In line 10, delete "(rab)".

In line 15, delete "ensued" and substitute --occurred--.

15 Delete line 17.

IN THE DRAWINGS:

Please amend the drawings as indicated in the attached Submission of Corrected Drawings.

IN THE CLAIMS:

20 On page 12 of the claims, line 1, please change "PATENT CLAIMS" to --**WE CLAIM AS OUR INVENTION**--.

Please cancel claims 1-17 without prejudice.

Please add new claims 18-34 as follows:

18. A method for connection setup for mobile stations of a radio communication system having at least one base station, comprising the steps of:

Sub B1
A4 25

recurrently offering frequency channels for a random access in an upstream direction for the mobile stations;

with the mobile station that requests a connection setup, measuring a reception power of a signal sent from the base station in a downstream direction; and

with the mobile station, setting a transmission power dependent on the measured reception power for sending an access radio block to the base station.

19. The method according to claim 18 wherein the radio communication system is configured as a TDMA/CDMA radio communication system, whereby information of a plurality of connections are simultaneously transmitted between the mobile stations and the base station in frequency channels formed by time slots, whereby the information of different connections can be distinguished from one another according to a connection-individual fine structure.

20. The method according to claim 19 wherein the information of different connections are spread with individual codes.

21. The method according to claim 18 wherein the mobile station sets the transmission power all the higher the lower the measured reception power is.

sub B1
Cont

A4

11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

22. The method according to claim 18 wherein the signal transmitted in the downstream direction is a pilot signal.

5 23. The method according to claim 18 wherein the signal transmitted in the downstream direction is a control signal transmitted on a BCCH channel.

24. The method according to claim 18 wherein the signal transmitted in the downstream direction is a training sequence signal.

10 25. The method according to claim 18 wherein the signal transmitted in the downstream direction is a data signal.

15 26. The method according to claim 18 wherein the mobile station estimates a radio field attenuation in the downstream direction on the basis of the measured reception power and sets the transmission power such that the radio field attenuation is at least partially compensated.

20 27. The method according to claim 26 wherein the mobile station sets the transmission power such that the radio field attenuation is completely compensated.

25 28. The method according to claim 18 wherein at least one auxiliary information is inserted into the signal sent in the downstream direction, this being

employed by the mobile station for setting the transmission power.

29. The method according to claim 28 wherein the auxiliary information is composed of an information about the transmission power used by the base station in the downstream direction.

30. The method according to claim 18 wherein a broadband frequency range is divided into sub-ranges having a narrower bandwidth within a frequency channel for the random access, the mobile station that requests the connection setup selecting a sub-range within said frequency channel, and the mobile station sending the access radio block to the base station in this sub-range.

31. The method according to claim 18 wherein the access radio block is not spread.

32. The method according to claim 18 wherein the access radio block is spread with an individual code.

33. A mobile station to which a connection setup is to be provided in a radio communication system having at least one base station, and wherein frequency channels are recurrently offered for a random access in an upstream direction for the mobile station, comprising:
a measuring unit for measuring a reception power of a signal sent from the base station in a downstream

direction when the mobile station requests a connection setup;

a transmission power setting unit which, dependent on measured reception power, sends an access radio block to the base station;

a control panel for triggering the random access; said measuring unit comprising a signal processing unit for measuring the reception power of the signal sent in the downstream direction from the base station and for generating the access radio block; and

said transmission power setting unit comprising a control unit for setting the transmission power for the transmission of the access radio block to the base station dependent on the measured reception power.

15 34. A base station in a radio communication system wherein a connection setup occurs from mobile stations, and wherein the mobile station that requests a connection setup measures a reception power of a signal sent from the base station in a downstream direction, and wherein
20 the mobile station sets a transmission power dependent on the measured reception power for sending an access radio block to the base station, comprising:

25 a unit for recurrently offering frequency channels for a random access in an upstream direction for the mobile stations;

a signal processing unit for generating the signal to be transmitted in the downstream direction; and

sub B2
cont
Asf 10